AMENDMENT TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application.

WHAT IS CLAIMED IS:

1. (Currently Amended) A method for forming a semiconductor device comprising the steps of:

depositing a monoatomic film including a metal on a base by using a metal source including a compound containing said metal and no oxygen; and

depositing a metal oxide film including oxide of said metal on said monoatomic film by using a CVD technique.

- 2. (Original) The method according to claim 1, further comprising, before said monoatomic film depositing step, the step of supplying oxidizing gas onto a surface of said base.
- 3. (Original) The method according to claim 2, wherein said oxidizing gas includes heated H₂O.
- 4. (Original) The method according to claim 2, wherein said oxidizing gas includes at least one gas selected from the group consisting 0_2 active oxygen, ozone, and N_2O .

- 5. (Original) The method according claim 1, further comprising, before said monoatomic film depositing step, the step of supplying hydrofluoric acid onto a surface of said base.
- 6. (Original) The method according to claim 1, wherein said metal source includes at least one said compound selected from the group consisting of $TaCl_5$, TaF_5 and $Ta(N(C_2H_5)_2)_3$, and said metal oxide film is tantalum oxide.
- 7. (Original) The method according to claim 1, wherein said metal source includes Al(CH₃)₃, and said metal oxide is titanium oxide.
- 8. (Original) The method according to claim 1, wherein said metal source includes TiCl₄ or Ti(N(CH₃)₂)₄ and said metal oxide is titanium oxide.
- 9. (Original) The method according to claim 1, wherein said metal source includes at least one said compound selected from the group consisting of $Hf(NCH_3)_2)_4$, $Hf(N(C_2H_5)(CH_3))_4$ and $Hf(C_2H_5)_2)_4$, and said metal oxide is hafnium oxide.
- 10. (Original) The method according to claim 1, wherein said metal source includes at least one said compound selected from the group consisting of NbCl₅, NbF₅ and Nb(N(C₂H₅)₂)₃, and said metal oxide is niobium oxide.

- 11. (Original) The method according to claim 1, further comprising, between said monoatomic film depositing step and said metal oxide film depositing step, the step of supplying oxidizing gas onto a surface of said monoatomic film.
- 12. (Original) The method according to claim 12, wherein said base is either silicon substrate, polysilicon film, silicon nitride film or a metallic film.
- 13. (Original) The method according to claim 1, further comprising the step of forming a conductive film on said metal oxide film, wherein said steps are used for forming a capacitor including said base as a bottom electrode, said metal oxide film as a capacitor insulation film, and said conductive film as a top electrode.
- 14. (New) A method for forming a semiconductor device comprising:

depositing a monoatomic film including a metal on a base in an oxygen-free environment; and

depositing a metal oxide film including an oxide of the metal on the monoatomic film using a CVD technique.

15. (New) The method of claim 14, wherein the semiconductor device is adapted to function as a capacitor.

- 16. (New) The method of claim 14, wherein the depositing of the monoatomic film including the metal includes using a metal source including a compound containing the metal.
- 17. (New) A semiconductor device formed by a method, the method comprising depositing a monoatomic film including a metal on a base in an oxygen-free environment; and

depositing a metal oxide film including an oxide of the metal on the monoatomic film using a CVD technique.

18. (New) The semiconductor device of claim 17, wherein the semiconductor device is adapted to function as a capacitor.